

METRO DETROIT METALWORKING CLUB				DEC '05	
Beginning balance	\$207.96	President	John Osborne		
2005 dues income	\$0.00	VPresident	Emil Cafarelli		
Non-dues income	\$0.00	Treasurer	Al Campbell		
New balance	\$207.96	Editor	Brian Lawson		
Expenses	-\$0.00	Publisher	John Lee		
Total on deposit	\$207.96	Webmaster	Dan Hittenmark		
DUES: \$10/yr. check to MDMC c/o Al Campbell,			Macomb Community College 14500 E 12 Mile Rd, Warren, MI Room T-120 (parking off Martine Rd East of Bunert Rd Next meeting: DEC 14, 2005 (2nd Wed of every month)		

MERRY CHRISTMAS and HAPPY NEW YEAR TO ALL!!

President's Message

A BIG THANK YOU ALL, for a great 2005. As the year draws to an end, I thank you for the experience of serving the club. Thanks to everyone who paid their dues and kept the club solvent. Thanks to those who donated items or money to the club. Special thanks to those who donated proceeds at the last swap meet as it made a critical difference in the club's financial health at that time. Thanks to the regular members who make it out to most of the meetings. Thanks to each of you who brought in things to Show&Tell. The quality, the number of presentations and especially the variety seems to be increasing. I never know what you guys are going to come up with, and that where the fun is! Thanks to my fellow officers. They have advised and guided me on how other clubs work and we included many of those principles in our own club. I hope I thanked everybody, because it was everybody who helped make the club a success., and Till next year... Merry Christmas to All

Minutes: November 9, 2005 Meeting

17 Members and 1 Guest present. This part of the meeting was short and sweet. Everyone was anxious to get going with the show & tell it seems. There was a discussion about the nominations for the up-coming elections, and one Member volunteered his service for 2006.

*A recent nice email note from **Bob Lorenz**:*

Yep, this will be our first full winter. So far it has been a nice fall, colours were beautiful, and the coldest day has been about 30 F. in the morning. Yesterday the temp. was in the mid 60's. I have an Amish carpenter crew finishing a pole barn garage for me, should be done today. 30'x42' with a huge attic up top. I will move Charlene's wood working tools to a work room we are building in the back of the garage. This Summer has been busy making the changes she wants on the house and trying to get this garage finished before the snow comes. Season's Greetings to All at MDMC.....Bob Lorenz

SHOW & TELL was amazing in November!

We had a whole lot of good topics, from true home-spun "this-oughta-do-the-job-perfectly" inventions, to small scale and huge full-size high-tech, to antiquity, to class "A" modelling and we even had a "ghost" and a "goblin" appear!

The "ghost" was **Rick Chownyk**, who we thought must have gone and died for sure, until we saw pix last month taken at John O's sojourn to Chicago for the CNC expo. There was "the ghost" flitting around like Marley! Rick promised us that he wouldn't be a ghost/guest any more, but would be gracing us with his presence as a Member in future. Great to have you back Rick. Welcome Home!. (More on his S&T stuff later.)

And the scary "goblin", was our very own **Joe Pietsch**, who was tossed about like a straw in the heavy winds while coming into the college for the meeting, and he took a nasty tumble. Joe stayed through the whole meeting, in much better humour than I would have managed!! Even did his regular bag-full of S&T stuff later!!



*I've made this photo of **Joe Pietsch**'s poor face into a black & white so that you can always say to your grandchildren that it is "just dirty old grease" on his forehead. The bandaged image is just too scary to print here!! Hope you're feeling OK by now Joe!*



Here is **Joe Pietsch**'s dial indicator holding bar. Made in just a few minutes by forging the end of a piece of drill rod. (ie..heat it red and whop it with a BFH)! Joe had some other stuff too, but it's all a secret, and won't be revealed until next month!

Ron Schmidt gave an excellent presentation on his work over the years in HYDROFORMING. Excellent! Ron gave hand-outs, and answered questions, about both the process itself, the engineering considerations, and it's applications, especially in manufacturing truck frames. Talk of over 35,000 PSI specialty water forcing round tubes into molds for them, and the pix of the 11,000 Ton press used to do it at a GM facility in Canada were pretty impressive to me. I guess I was so enraptured I forgot to take any pictures, so you'll have to take my word for it. **B-I-I-I-G-G-G!!!**

Karl Gross had a box of “gloat” to show us, as per usual. He brought in a box that he won on Ebay. Ten (?) pieces of 3M #2 high quality diamond burnishers (laps?? hones??), flat diamond pad on the end of like a heavy duty “toothbrush” handle. Pretty sure he said he paid 5 bucks for the bunch, and the best price here, even for off-shores, is \$15 each. Heck of a deal. I’ll let Karl go shopping for me any day! Now, Karl, what I REALLY want is a shaper and/or a vertical bandsaw....at the same \$5 each. If you can’t bring them/it in, gimme a call and I’ll make an effort to meet you half-way, thanks.



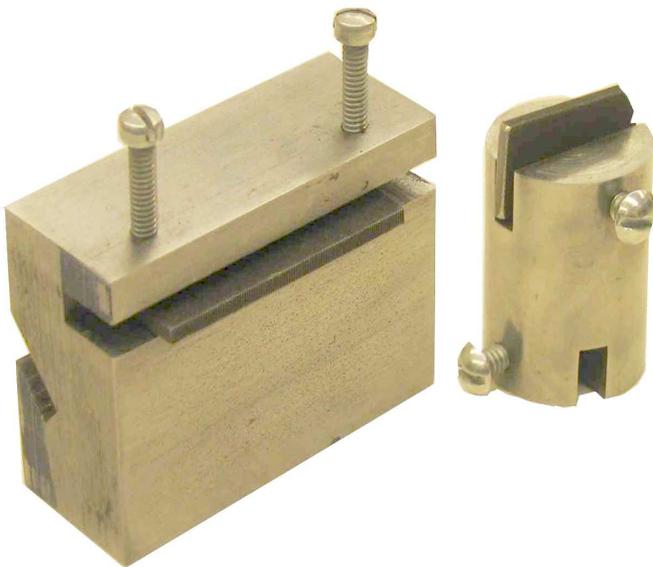
And a simple, easy to make, primer remover from **Jerry Harmon** too. I think this one was for .45 calibre, but the principle is good for any of this type cartridge, even for shot-guns, I would think.



Adam Hermann brought some “cool stuff”. A really nice, I mean REALLY nice, hot air fan on a nice stand plate. It’s full-size Mori-riya model.



And here’s “Marley” himself, the Chownyk ghost, in person. Handsome dude, ain’t he eh? Who says the camera doesn’t lie?



The pix here are about “full size, showing yet another simple but invaluable tool/trick from **Jerry Harmon**. A set of small brass jigs that hold a piece(s) of broken file, to allow easy handling and cleaning up edges of small bits and pieces. Instead of the normal clamp the work and hand-file it, it’s clamp the file and hand-work it! Of course, it can act as a “handle too. Jerry is a master at making life easy, isn’t he!?!? Note the slot on the “back” side of the larger block is at 45 degrees, to allow easy edge chamfering of small items. Pretty darn slick!



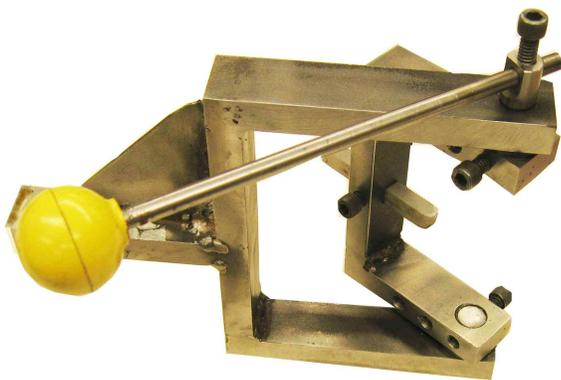
The good, the bad, and the really really really ugly** of aluminum casting. These are the castings **Rick Chownyk** makes and use for the CNC mill he builds called “The Rick-O-Matic. Rick is ALWAYS ready willing and able to stop dead in his tracks and discuss any aspect of his high quality heavy duty little beast!! (**NOTE: if Rick gets a bad casting, it’s get scrapped. He just wanted us to see what can go wrong.)



James Howard is the “Let’s see now, there must be a better way!” guy amongst us. He showed us three very unique tools, for gardening and building a fence in his yard. Dare I say if I had not seen Joe Pietsch already, these tools would have scared me!! Imagine this photo of James, but with Joe’s bandaged up mug-shot instead!! Halloween or not, I just couldn’t do it! Sorry!



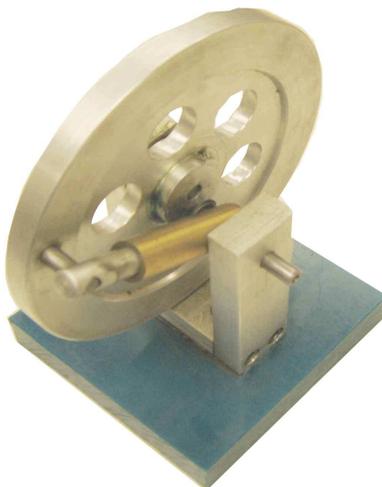
Nope!! Not Salt & Pepper shakers. But **Mark Nowakowski** had us guessing pretty good. Maybe the give-away was the Morse name on the top. And of course when opened, it showed the various marked sizes to hold small drill bits.



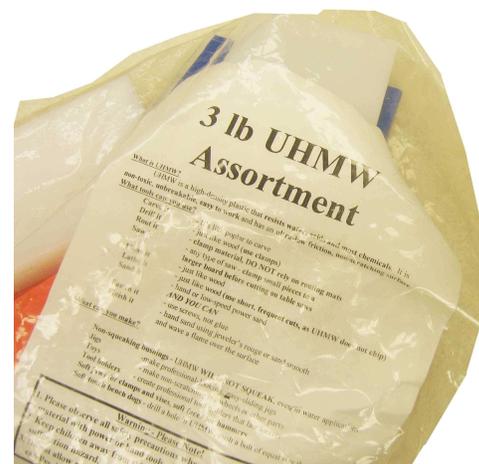
Emil Cafarelli had a neat and simple ball turner. Even had a nice yellow knob to warn you of an unusual action! We’ll have to gwetr Emil to show and explain the tool-bit sharpening for this.



So, here was the mystery **Joe P.** brought in. Wuzzit?

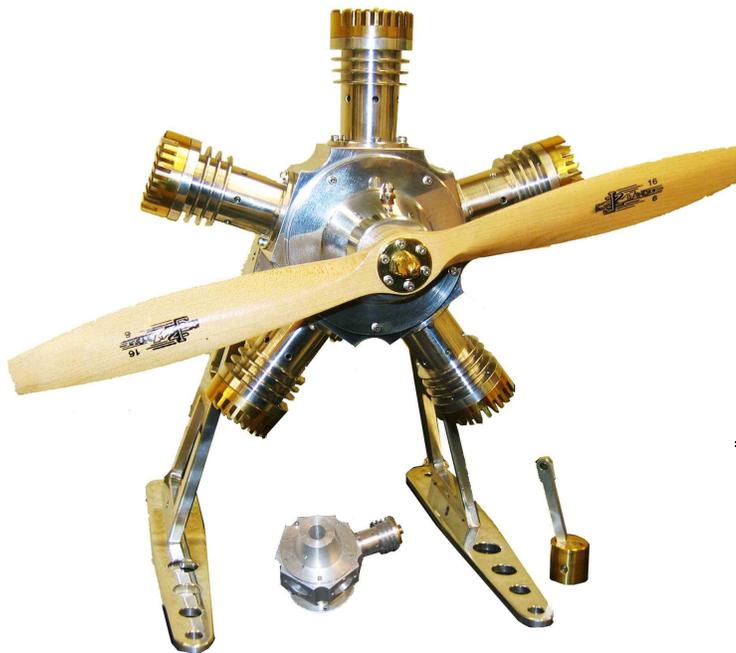


Very nice little oscillator from **Joe P.** also, but no “paper work”, so no further info! Joe brought it to show the mounting base, made of UHMW. This engine is a “single-acting” single cylinder, but the same style done with a cylinder on each side of the flywheel run very well.



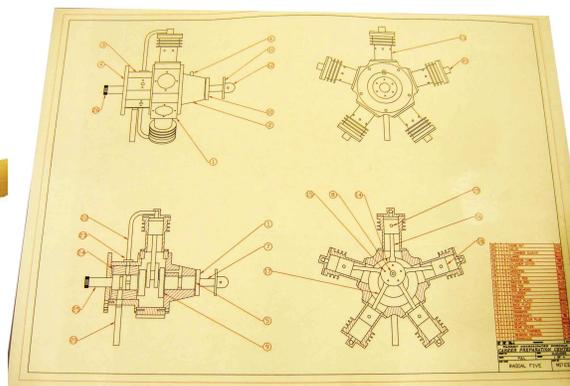
Why, it’s a three pound bag of assorted UHMW (Ultra High Molecular Weight) “plastic”, which is a linear high density polyethylene, having a high abrasion resistance, as well as high impact strength!!! Joe made the base for the oscillator on the left from a piece of it. For next month’s mystery, we’ll ask Joe where he got it, and how much it cost.

DECEMBER MEETING IS THE ANNUAL “SWAP MEET”. Bring in something to swap, or possibly to sell. But be aware this is not to be a “commercial venture”. Govern yourself accordingly. In the past we’ve often had proceeds from sales, or part there-of, donated to help support MDMC.



Now, over the past year or so, we have certainly seen some very nice, in fact exceptional, work by our Members, but I believe this is perhaps the Show&Tell *‘pièce de resistance’* for 2005. **Jim Oleniczak** first built a 5 cylinder radial engine from the 7 part series in Home Shop Machinist, and then he built THIS one to **double** the size of Rudy Kouhoupt’s design. There is a piston and rod assembly for this engine shown just to the right of the engine stand. Between the stand legs is the crankcase and one cylinder for an engine done to the original design measurements! Amazing what just doubling the scale does! I also think the late Mr. Kouhoupt would have been thrilled to see this engine. It is powered by air, and sadly we didn’t get to see it run (yet), but would certainly expect to see it whirring away at NAMES (hint hint Jim). Jim is a retired shop teacher, and notes that this is the first project he has ever built *entirely* in his basement home-shop, and that it took him the better part of a year to complete. He answered a great many questions about it all posed by the Members.

Laying on the original plan drawing, here is a shot of a piston (only) made to the original scale, and a piston and rod assembly in 2:1. You can see the small one is the same size as those shown in the assembly drawing.



Here is a shot of the “plans for the “FIVE”. I did have hopes that some detail would be visible, but alas....

Any person who is a Member may be Nominated, or volunteer to Stand, from the floor at the beginning of the December meeting, and voting by secret ballot will follow the Nominations, so plan to attend. It’s YOUR club.

The 2005 Executive Proposes the following slate as Nominees for Officers for 2006

<i>President</i>	John Osborne
<i>Vice President</i>	Emil Caffarelli
<i>Treasurer</i>	Al Johnston
<i>Secretary</i>	Ken Hunt
<i>Newsletter Editor</i>	John Osborne
<i>Newsletter Publisher</i>	John Lee
<i>Webmaster</i>	Dan Hittenmark

Roving Reporters Bob Fuhrman, Karl Gross, (NOT OFFICERS)
Brian Lawson, Joe Pietsch

Atlas 7” shaper in excellent condition. Contact Adam Hermann

Surface Grinder..said to be in good condition. 3phase 220. In Canada...1 hour from the border. Not the seller, but contact Brian Lawson for details and seller’s info.

Surface Grinder in pieces. CHEAP! Viable project of a very useful tool. Email pix available. Seller IS Brian Lawson, 1.5 hours from the Bridge/Tunnel. No duty on importing to the USA.

Space Heater, Natural Gas, free-standing. Suitable for a small shop. Cheap. Brian Lawson,
Editor’s Note:

This is my last submission as MDMC Newsletter Editor. It’s bin a hoot, mon! I’ve had a good time doing it, and learned a lot, but it has been difficult for me to make all the meetings. This is supposed to be the “fun” part of my life, but I feel guilty when I have not been able to attend, and I don’t want to feel that anymore. I would like to thank everyone for all their input, especially John O., and I must apologize to John Lee for invariably sending him everything so late! I hope you will all support the new incoming Editor, and **DO NOT HESITATE** to provide him/her any hints/tips/charts/photos/stories/jokes/book-titles/URL’s or other items of interest for our Members.

Thank You, Season’s Best, and a Great 2006. Take care.
Brian Lawson

